RANCONA® C SEED TREATMENT



Version Revision Date: MSDS Number: Country: AU 1.13 10.11.2015 000000003742 Language: EN

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : RANCONA® C SEED TREATMENT

Product code : 00000003742

Manufacturer or supplier's details

Company: Arysta LifeScience Australia Pty Ltd

c/o Level 7, 435 King William Street

Adelaide SA Australia 5000

Telephone: +61 8 8112 0900

Prepared by sds.request@arysta.com

Further information for the safety data sheet:

sds.request@arysta.com

1.4 Emergency telephone number

Emergency telephone number: +61 2801 44558, ORICA: 1800 033 111 (24 hr Service)

For additional emergency telephone numbers see section 16 of the

Safety Data Sheet.

Recommended use of the chemical and restrictions on use

Recommended use : Seed treatment

Restrictions on use : Agriculture

For professional users only.

APVMA No: 63309

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

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Other hazards which do not result in classification

Non-hazardous substance

Dangerous goods

Toxic to aquatic life with long lasting effects.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Ipconazole - 20 gm/L

Cypermethrin - 4 g/L

Hazardous components

Chemical Name	CAS-No.	Concentration (% w/w)
propane-1,2-diol	57-55-6	>= 10 - < 30
Ipconazole	125225-28-7	< 10
alpha-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-	52315-07-8	< 10
dimethylcyclopropanecarboxylate		

SECTION 4. FIRST AID MEASURES

General advice : For advice, contact a Poisons Information Centre (Phone:

Australia 131 126 or New Zealand 0800 764 766) or a doctor

at once.

No hazards which require special first aid measures.

If inhaled : Move to fresh air in case of accidental inhalation of dust or

fumes from overheating or combustion. If symptoms persist, call a physician.

In case of skin contact : Take off contaminated clothing and shoes immediately.

Wash off with soap and plenty of water.

In case of eye contact : Flush eyes with water as a precaution.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Clean mouth with water and drink afterwards plenty of water.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

: No information available. No information available.

Notes to physician : The first aid procedure should be established in consultation

with the doctor responsible for industrial medicine.

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SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media

: Use extinguishing measures that are appropriate to local circum-

stances and the surrounding environment.

Specific hazards during fire-

fighting

: No information available.

Specific extinguishing methods

: Collect contaminated fire extinguishing water separately. This must

not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

firefighters

Special protective equipment for : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Wear suitable protective equipment.

Environmental precautions

: If the product contaminates rivers and lakes or drains inform respec-

tive authorities.

No special environmental precautions required.

Methods and materials for con-

tainment and cleaning up

Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against

fire and explosion

: Normal measures for preventive fire protection.

Advice on safe handling : For personal protection see section 8.

Dispose of rinse water in accordance with local and national regula-

tions.

Hygiene measures : Handle in accordance with good industrial hygiene and safety prac-

Wash hands before breaks and at the end of workday.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type	Control parameters	Basis
		(Form of ex-	/ Permissible con-	

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		posure)	centration	
propane-1,2-diol	57-55-6	TWA (particu-	10 mg/m3	AU OEL
		late)		
		TWA (Total	150 ppm	AU OEL
		(vapour and	474 mg/m3	
		particles))		

Personal protective equipment

Hand protection

Remarks : Impervious gloves

Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Skin and body protection : Impervious clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : red, to, dark red

Odour : characteristic, Fruity.

Odour Threshold : No data available

pH : 4 - 7, 1% Solution

Melting point/range : Not applicable

Boiling point/boiling range : No data available

Flash point : 102 °C

Evaporation rate : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : No data available

Density : 1.065 g/cm3

Solubility(ies)

Water solubility : completely miscible

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Solubility in other solvents : No data available

Partition coefficient: n-

octanol/water

: No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : 40 - 60 mPa.s

Viscosity, kinematic : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reac-

tions

: No hazards to be specially mentioned.

Conditions to avoid : Contamination

Incompatible materials : Acids

Bases

Oxidizing agents

Hazardous decomposition prod-

ucts

: Burning produces noxious and toxic fumes.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg

Method: Calculation method

Acute dermal toxicity : Remarks: Not expected to be acutely toxic.

Components:

propane-1,2-diol:

Acute oral toxicity : LD50 (Rat): 20,000 mg/kg

LD50 (Rabbit): 18,500 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 20,800 mg/kg

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Ipconazole:

Acute oral toxicity : LD50 (Rat, male): 1,338 mg/kg

Method: OECD Test Guideline 401

GLP: yes

LD50 (Rat, female): 888 mg/kg Method: OECD Test Guideline 401

GLP: yes

LD50 (Mouse, male): 537 mg/kg Method: OECD Test Guideline 401

GLP: yes

LD50 (Mouse, female): 468 mg/kg Method: OECD Test Guideline 401

GLP: yes

Acute inhalation toxicity : LC50 (Rat, male and female): > 1.88 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

GLP: yes

LC50 (Rat, male and female): > 3.53 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

GLP: yes

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg

Method: OECD Test Guideline 402

GLP: yes

alpha-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate:

Acute oral toxicity : LD50 (Rat): 287 mg/kg

GLP: yes

Acute inhalation toxicity : LC50 (Rat): 3.28 mg/l

Test atmosphere: dust/mist

GLP: yes

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

GLP: yes

Skin corrosion/irritation

Product:

Remarks: This product is not expected to cause skin irritation.

Components:

Ipconazole:Species: Rabbit
Exposure time: 4 h

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Result: No skin irritation

GLP: yes

alpha-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate:

Species: Rabbit

Result: No skin irritation

GLP: yes

Serious eye damage/eye irritation

Product:

Remarks: This product is not expected to cause eye irritation.

Components:

Ipconazole:Species: Rabbit

Result: No eye irritation

alpha-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate:

Species: Rabbit

Result: No eye irritation

GLP: yes

Respiratory or skin sensitisation

Product:

Remarks: This product is not expected to be a skin sensitizer.

Components:

Ipconazole:

Species: Guinea pig

Method: Magnusson-Kligmann-Test

Result: Did not cause sensitisation on laboratory animals.

GLP: yes

alpha-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate:

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

GLP: yes

Chronic toxicity

Germ cell mutagenicity

Components:

Ipconazole:

Genotoxicity in vitro : Test Type: Ames test

Metabolic activation: with and without metabolic activation Method: Mutagenicity (Escherichia coli - reverse mutation

assay)

Result: negative

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: Test Type: In Vitro mammalian Cell Gene Mutation Test Metabolic activation: with and without metabolic activation

Result: negative

: Test Type: Chromosome aberration test in vitro

Metabolic activation: with and without metabolic activation

Result: negative

Genotoxicity in vivo : Species: Mouse

Cell type: Bone marrow

Result: negative

Germ cell mutagenicity -

Assessment

: In vitro tests did not show mutagenic effects

alpha-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate:

Germ cell mutagenicity -

Assessment

: negative

Carcinogenicity

Components:

Ipconazole:

Carcinogenicity - Assess-

ment

: Animal testing did not show any carcinogenic effects.

alpha-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate:

Carcinogenicity - Assess-

ment

: negative

Reproductive toxicity

Components:

Ipconazole:

Effects on fertility : Species: Rat

Dose: 0, 30, 100 or 300 ppm

General Toxicity F1: No observed adverse effect level: 9 - 10

mg/kg bw/day

alpha-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate:

Effects on fertility : General Toxicity - Parent: No observed adverse effect level:

10 mg/kg bw/day

Effects on foetal develop-

ment

: Teratogenicity: No observed adverse effect level: 70 mg/kg

bw/day

STOT - repeated exposure

Components:

Ipconazole:

Target Organs: Eyes

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Assessment: May cause damage to organs through prolonged or repeated exposure.

Repeated dose toxicity

Components:

Ipconazole:

Species: Rat, female NOAEL: 7 mg/kg LOAEL: 33.2 mg/kg Application Route: Oral Exposure time: 13 weeks

Dose: 3.1, 7.0, 15.4 and 33.2 mg/kg

GLP: yes

Target Organs: Adrenal gland, thymus gland

Species: Rat, male NOAEL: 25.9 mg/kg LOAEL: 52.2 mg/kg Application Route: Oral Exposure time: 13 weeks

Dose: 2.5, 5.8, 12.6, 25.9 and 52.2

GLP: yes

Target Organs: Adrenal gland, thymus gland

Species: Rat, male and female

NOAEL: 10 mg/kg LOAEL: 40 mg/kg

Application Route: Dermal Exposure time: 13 weeks

Dose: 0, 2, 10 or 40 mg/kg bw/day

GLP: yes

Species: Rat, male and female

NOAEL: 30 mg/kg LOAEL: 100 mg/kg

Application Route: Inhalation

Exposure time: 28-day

Dose: 0, 30, 100, 300 or 1000 mg/m3

GLP: yes

alpha-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate:

Species: Dog

NOAEL: 500 ppm (12.5 mg/kg bw/d)

Exposure time: 90 d

GLP: yes

Further information

Product:

Remarks: No data is available on the product itself.

The product contains no substances known to be hazardous to health in concentrations which

need to be taken into account.

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Ipconazole:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 1.3 mg/l

Exposure time: 96 h

Test Type: flow-through test

Toxicity to daphnia and other

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 1.7 mg/l

Exposure time: 48 h

GLP: yes

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 0.62

mg/l

Exposure time: 72 h

GLP: yes

M-Factor (Acute aquatic tox-

icity)

: 1

Toxicity to fish (Chronic tox-

icity)

: NOEC (Pimephales promelas (fathead minnow)): 0.00044

mg/

Exposure time: 28 d

GLP: yes

Toxicity to daphnia and other

aquatic invertebrates (Chron-

ic toxicity)

: NOEC (Daphnia magna (Water flea)): 0.0109 mg/l

Exposure time: 21 d

GLP: yes

M-Factor (Chronic aquatic

toxicity)

: 100

alpha-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate:

Toxicity to fish

: LC50 (Salmo gairdneri): 0.0028 mg/l

Exposure time: 96 h

GLP: yes

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): 0.0003 mg/l

Exposure time: 48 h

GLP: yes

Toxicity to algae : EC50 (Selenastrum capricornutum (green algae)): > 0.1 mg/l

M-Factor (Acute aquatic tox-

icity)

: 1,000

Toxicity to fish (Chronic tox-

icity)

: NOEC (Pimephales promelas (fathead minnow)): 0.00003

mg/l

Toxicity to daphnia and other aquatic invertebrates (Chron-

NOEC: 0.00004 mg/l Exposure time: 21 d

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ic toxicity)

M-Factor (Chronic aquatic

toxicity)

: 1,000

Persistence and degradability

Product:

Biodegradability : Remarks: No data available

Components:

alpha-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate:

Biodegradability : Result: Not readily biodegradable.

Stability in water : Hydrolysis: at25 °C(> 100 d)

Photodegradation :

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Components:

Ipconazole:

Partition coefficient: n-

octanol/water

: log Pow: 4.28 - 4.49

Mobility in soil

Product:

Mobility : Remarks: No data available

Components:

alpha-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate:

Stability in soil : Soil temperature: 21 °C

Remarks: cis isomer

Soil temperature: 21 °C Remarks: trans isomer

Other adverse effects

Product:

Additional ecological infor-

mation

: There is no data available for this product.

An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

Very toxic to aquatic organisms, may cause long-term adverse

effects in the aquatic environment.

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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : The product should not be allowed to enter drains, water courses or

the soil.

Do not contaminate ponds, waterways or ditches with chemical or

used container.

Offer surplus and non-recyclable solutions to a licensed disposal

company.

Contaminated packaging Empty remaining contents.

> Dispose of as unused product. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International Regulation

UNRTDG

UN number : UN 3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(Ipconazole, Cypermethrin)

Class : 9 III Packing group Labels : 9

IATA-DGR

: UN 3082 UN/ID No.

: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, Proper shipping name

N.O.S., Environmentally hazardous substance, liquid, n.o.s.

(Ipconazole, Cypermethrin)

Class 9 Packing group Ш

Labels Miscellaneous 964

Packing instruction (cargo

aircraft)

Packing instruction (passen-: 964

ger aircraft)

IMDG-Code

UN number : UN 3082

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(Ipconazole, Cypermethrin)

9 Class III Packing group Labels 9 **EmS Code** F-A, S-F Marine pollutant yes

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

ADG

UN number : UN 3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(Ipconazole, Cypermethrin)

Class : 9
Packing group : III
Labels : 9
Hazchem Code :

Remarks : SP No. AU01 Environmentally Hazardous Substances meet-

ing the descriptions of UN 3077 or UN 3082 are not subject to

this Code when transported by road or rail in;

(a) packagings that do not incorporate a receptacle exceeding

500 kg(L); or (b) IBCs.

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Standard for the Uniform Scheduling of Medicines and

Schedule 6

Poisons

Prohibition/Licensing Requirements : There is no applicable prohibition or

notification/licensing requirements, including for carcinogens under Commonwealth, State or Territory

legislation.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

(Q)SAR - (Quantitative) Structure Activity Relationship; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO

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- International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL -No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; OECD - Organization for Economic Cooperation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT -Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TDG - Transportation of Dangerous Goods; UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice

Date format : dd.mm.yyyy

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

AU / EN

Carechem24 International Worldwide Coverage

Emergency Phone Number

Europe:	All European Countries	+44 (0) 1235 239 670 (NCEC)
Asia Pacific:	East / South East Asia – Regional Number	+65 3158 1074
	Australia	+61 2801 44558
	New Zealand	+64 9929 1483
	China	+86 532 8388 9090
	China Taiwan	+86 10 5100 3039
	Japan	+81 345 789 341
	Indonesia	00780 3011 0293
	Malaysia	+60 3 6207 4347
	Thailand	001800 1 2066 6751
	Korea	+65 3158 1285 +82 (0)234 798 401

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	Vietnam	+65 3158 1255
	India	+65 3158 1198 0800 100 7479
	Pakistan	+65 3158 1329
	Philippines	+65 31581203
	Sri Lanka	+65 3158 1195
	Emergency Phone Number	+65 3158 1200
Middle East / Africa:	Arabic speaking countries	+44 (0) 1235 239 671
	South Africa	+27 21 300 2732
	All other countries	+44 (0) 1235 239 670
<u>America</u>	United States of America and Canada	+1866 928 0789 +1 215 207 0061
Latin America:	Brazil	+55 11 3197 5891
	Mexico	+52 555 004 8763
	Chile	+56 225 829 336
	All other countries	+44 (0) 1235 239 670